

Unit 9: Sharing the Road

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Purpose: Describe for the student the issues related to sharing the roadway with other vehicles, pedestrians, and animals. Includes issues dealing with pedestrians, bicycles, motorcycles, large trucks, emergency vehicles, animals, school buses, construction equipment, trolleys, and trains.

Section	Issue	Learning Objective	References
09.A Sharing the road with pedestrians	09.A.01 Pedestrians, defined	09.A.01(1) A pedestrian is a person on foot or using a conveyance propelled by human power (skates, skateboard) other than a bicycle; and also includes disabled persons who may be using powered devices.	CDH: p. 15 CVC: 467
		09.A.01(2) Disabled persons using self-propelled wheelchairs, tricycles, or quadricycles are not able to move about as easily as pedestrians. These persons should be given the same rights as any other pedestrian.	CDH: p. 15
	09.A.02 Pedestrians, accident statistics	09.A.02(1) Pedestrian and bicycle accidents are the leading cause of death for ages 8 through 14.	
		09.A.02(2) Pedestrian safety is a serious issue. One in six traffic fatalities is a pedestrian.	CDH: p. 15
		09.A.02(3) Pedestrians lose in any accident, regardless of who had the right-of-way. Drive cautiously when pedestrians are near and may cross your path.	
		09.A.02(4) Children under the age of 15 account for about 29% of pedestrian victims and about 28% of bicycle victims.	CHP
	09.A.03 Pedestrians, responsibilities as, introduction	09.A.03(1) Most of the time you are a pedestrian, not a driver. There are both rights and responsibilities you should know to insure your safety when you are not driving your vehicle.	CDH: p. 78

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Section

Issue

Learning Objective

References

09.A.04

**Pedestrians,
responsibilities
as, walking
along roadways**



09.A.04(1)

When walking on the side of the roadway, you should use the sidewalk. If there is no sidewalk, you may walk on the roadway, but must face oncoming traffic and as far to your left as possible.

CVC: 21956

09.A.04(2)

You are not permitted on any toll bridge or highway crossing, or in any tunnel unless there is a sidewalk more than three feet wide, with signs telling you that pedestrians are permitted to use it.

CDH: p. 78
CVC: 23331,
21109

09.A.04(3)

Wear bright or reflective clothing, day and night, when walking along a roadway that does not have a sidewalk.

CDH: p. 78

09.A.04(4)

Don't walk or jog on any freeway where signs tell you that pedestrians are not allowed.

CDH: p. 78
CVC: 21960

09.A.04(5)

A significant cause of accidents is pedestrians walking on roadways while intoxicated, wearing headphones, or otherwise not paying attention to traffic.

09.A.04(6)

It is dangerous wear headphones while walking on roadways because you cannot hear approaching vehicles.

09.A.04(7)

It is dangerous to walk on railroad tracks.

09.A.04(8)

Joggers, runners, rollerbladers, and skateboarders must also obey all pedestrian rules. Rollerbladers and skateboarders may be prohibited from using sidewalks by local authority, but must otherwise obey all pedestrian rules.

CDH: p. 78

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Section	Issue	Learning Objective	References
		09.A.04(9) It is illegal to stand in a roadway for the purpose of soliciting a ride from the driver of any vehicle (hitchhiking).	CVC: 21957
		09.A.04(10) Pedestrians are not allowed to walk, jog, or run in bicycle lanes when there are sidewalks.	CDH: p. 25 CVC: 21966
09.A.05	Pedestrians, responsibilities as, walking along roadways, darkness	09.A.05(1) You can make yourself more visible at night by wearing white or light-colored clothing and retroreflective materials and by wearing or carrying some sort of light such as a flashlight. Wearing only white clothing does not always guarantee your safety.	CDH: p. 79
09.A.06	Pedestrians, responsibilities as, crossing roadways, introduction	09.A.06(1) Pedestrians may only cross roadways at intersections using crosswalks.	CVC: 21955
		09.A.06(2) Pedestrians should not stop or delay traffic unnecessarily when crossing a street.	CDH: p. 79
		09.A.06(3) Some special signs are used only for pedestrians. Examples of these signs are shown in Figure 9.1.	
09.A.07	Pedestrians, responsibilities as, crossing roadways, crosswalks	09.A.07(1) The crosswalk is that part of the pavement where the sidewalk lines would extend across the street and are areas set aside for people to cross the street.	CDH: p. 16





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Section	Issue	Learning Objective	References
		09.A.07(2) Every street where streets and sidewalks meet “at about right angles” has a crosswalk for pedestrians to cross the street even though there may be no painted lines.	
		09.A.07(3) A crosswalk may be marked by white lines at an intersection but if not marked, one exists and is the extension of sidewalks across the streets unless pedestrian crossing is prohibited by signs.	CDH: p. 16 CVC: 275
		09.A.07(4) Although most crosswalks are marked with white lines, Yellow lines may be painted for school crossings.	CDH: p. 16
		09.A.07(5) Although most crosswalks are at corners, they are sometimes in the middle of the block.	CDH: p. 16
		09.A.07(6) Some crosswalks, especially in residential areas, are not marked.	CDH: p. 16
		09.A.07(7) Although pedestrians have the right-of-way in crosswalks, they must only cross when it is safe to do so.	CVC: 21950
09.A.08	Pedestrians, responsibilities as, crossing roadways, pedestrian signals	09.A.08(1) You must always obey traffic signals as a pedestrian. Many intersections have signals which show the words “WALK” and “DON’T WALK” or show a person walking in white and a raised hand in orange. Whether it has these signals or the usual traffic lights, you must obey the pedestrian rules.	CDH: p. 16, 19
		09.A.08(2) The “WALK” or walking person appears when it is legal to start crossing. When the “DON’T WALK” or raised hand appears, you may not start across the street.	CDH: p. 19

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Section	Issue	Learning Objective	References
   	09.A.08	09.A.08(3) In order to operate pedestrian signals, you may need to push a button one time to receive the “WALK” or walking person signal.	CDH: p. 19
		09.A.08(4) When a signal first changes to “WALK” or the walking person for you, look left, right, and then left again before crossing the street. Yield the right-of-way to any vehicle in the intersection before the signal changed.	CDH: p. 78
		09.A.08(5) Flashing “DON’T WALK” or raised hand signals mean you should not begin to cross because you may not have enough time to make it to the other side of the street before vehicles start moving across your path.	CDH: p. 19
		09.A.08(6) If the flashing “DON’T WALK” or raised hand signals appear after you have already started to cross the roadway, you may finish crossing the street.	CDH: p. 19, 79
		09.A.08(7) Remember that you must obey all traffic signs and signals when crossing the street. Check for vehicles that appear to be unlikely to stop and never forcibly claim the right-of-way from a vehicle.	CVC: 21461.5 CVC: 21950
09.A.09	Pedestrians, responsibilities as, crossing roadways, no pedestrian signals	09.A.09(1) At signal-controlled intersections where there are no pedestrian signals, pedestrians must obey the red, yellow, or green signal lights.	CDH: p. 19, 79

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Section	Issue	Learning Objective	References
09.A.10	Pedestrians, responsibilities as, crossing roadways, intersections with stop signs	09.A.10(1) When crossing at an intersection controlled by stop signs, you should make sure that drivers see you before you attempt to cross the roadway. Don't assume that other drivers will stop just because one vehicle has stopped for you.	
		09.A.10(2) Take turns with approaching vehicles, only crossing the street when all other vehicles have stopped for you.	
		09.A.10(3) You must not suddenly leave a curb or other safe place and walk or run into the path of a vehicle which is close enough to be a danger to you. This is true even if you are in a crosswalk.	CDH: p. 78
09.A.11	Pedestrians, responsibilities as, crossing roadways, intersections without traffic signals	09.A.11(1) At an intersection where traffic is not controlled by signals or signs, drivers are required to yield the right-of-way to you within any crosswalk, marked or unmarked. However, you must give the driver a chance to yield to you and not just step off the curb when oncoming vehicles are nearby.	CDH: p. 78
		09.A.11(2) Making eye contact with a driver does not mean that the driver will see you or yield the right-of-way.	CDH: p. 78
		09.A.11(3) The law says that any driver must take care for the safety of any pedestrian— but if the driver can't stop in time, the law won't help you.	CDH: p. 78

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Section	Issue	Learning Objective	References
09.A.12	Pedestrians, responsibilities as, crossing roadways, jaywalking	09.A.12(1) Crossing a roadway between intersections when a crosswalk is not present is called “jaywalking.”	CDH: p. 78 CVC: 21954, 21955
		09.A.12(2) If you “jaywalk” across a street between intersections, where no pedestrian crosswalks are provided, you must yield the right-of-way to all vehicles.	CDH: p. 78
		09.A.12(3) Jaywalking is both dangerous and illegal. It is also a significant cause of accidents.	
09.A.13	Pedestrians, responsibilities as, crossing roadways, snow use	09.A.13(1) It is illegal to ski, snowboard, or sled on or across any roadway in such a manner as to interfere with the movement of vehicles thereon.	CVC: 21959
09.A.14	Pedestrians, responsibilities as, local ordinances	09.A.14(1) Cities, towns, and counties are allowed to adopt local ordinances regulating pedestrians, skateboards, skates, and rollerblading on highways, sidewalks, and roadways.	CVC: 21961, 21967, 21968, 21969
09.A.15	Pedestrians, driver responsibilities, introduction	09.A.15(1) The driver of a vehicle has the responsibility to exercise care and caution for the safety of a pedestrian on any roadway.	CVC: 21954
		09.A.15(2) It is a good driving practice to always yield the right-of-way to a pedestrian crossing the roadway, regardless of who legally has the right-of-way.	CVC: 21451, 21954

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Section	Issue	Learning Objective	References
		09.A.15(3) You should stop for the safety of anyone crossing the street on foot.	CVC: 21954
		09.A.15(4) Just because you make eye contact with a pedestrian doesn't mean that he or she will yield the right-of-way to you.	
09.A.16	Pedestrians, driver responsibilities, walking along roadways	09.A.16(1) You should drive slower when you see bicyclists riding or pedestrians walking near the edge of the road. Give them plenty of room when passing.	
09.A.17	Pedestrians, driver responsibilities, crosswalks	09.A.17(1) Pedestrians have the right-of-way in crosswalks. They also have the right-of-way to cross at corners, regardless of whether crosswalks are painted by white or yellow lines.	CDH: p. 16 CVC: 21950
		09.A.17(2) If you stop in the crosswalk, you put pedestrians in danger. Those pedestrians will often have to get into the traffic lanes to avoid being hit by you because you have violated their right-of-way.	CDH: p. 16
		09.A.17(3) Always stop for a pedestrian at corners and intersections, and at crosswalks which are at places other than a corner.	CDH: p. 16 CVC: 21950
		09.A.17(4) You must not pass a vehicle from behind that has stopped at a crosswalk. A pedestrian hidden from your view may be crossing.	CDH: p. 16 CVC: 21951
		09.A.17(5) Always look to the side at intersections, crosswalks, and railroad crossings.	CDH: p. 37



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Section	Issue	Learning Objective	References
09.A.18	Pedestrians, driver responsibilities, controlled intersections	09.A.17(6) It is illegal to park in a crosswalk (marked or unmarked) or on a sidewalk.	CDH: p. 31
		09.A.17(7) Look for school safety patrols or school crossing guards when you see a crosswalk near a school. You must obey their instructions and can be cited for not doing so.	CDH: p. 21
		09.A.17(8) You must allow crossing guards to get safely to the side of the road before driving ahead.	
		09.A.18(1) You must stop behind the limit line at a stop sign or stop signal and must not intrude into the crosswalk.	CVC: 21453, 22450
		09.A.18(2) At yield signs, you must also give the right-of-way to pedestrians and bicyclists using the traffic lane.	CDH: p. 19
		09.A.18(3) At a green light, you must first let all vehicles, bicycles, and pedestrians remaining in the intersection get through before entering the intersection. Make a left turn only if you have enough space to complete the turn before any oncoming vehicle, bicycle, or pedestrian becomes a hazard.	CDH: p. 18
		09.A.18(4) Before turning a corner, watch for people who are about to cross the street. Remember, if you have a green light, the light is also green for them.	CDH: p. 27

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Section	Issue	Learning Objective	References
		09.A.18(5) At a green arrow you may turn in the direction that the arrow is pointed, but must first yield to any vehicle, bicycle, or pedestrian still in the intersection. The green arrow means that oncoming vehicles, bicycles, and pedestrians are stopped by a red light.	CDH: p. 18
		09.A.18(6) When making a right turn against a red light or a left turn against a red light on a one-way street, be careful to not interfere with pedestrians, bicyclists, or vehicles moving on their green light.	CDH: p. 27
		09.A.18(7) When crossing lanes or turning, make sure there are no pedestrians or vehicles blocking the path ahead or to the side.	CDH: p. 36
		09.A.18(8) It is dangerous to pass other vehicles where persons or vehicles are likely to enter the road, because your view of pedestrians, cars, motorcycles, bicycles, and trains is blocked by the car you are passing. Do not pass other vehicles at crossroads, railroad crossings, shopping center entrances, or other intersections.	CDH: p. 46
09.A.19	Pedestrians, driver responsibilities, backing	09.A.19(1) Watch out for pedestrians when you are backing up. Check behind your car before you get in. Children and pets are hard to see from the driver's seat.	CDH: p. 37
09.A.20	Pedestrians, driver responsibilities, sidewalks	09.A.20(1) Never drive on a sidewalk unless you are crossing a sidewalk to enter or exit a driveway or alley. When crossing a sidewalk, stop for any pedestrian: pedestrians always have the right-of-way on sidewalks.	CDH: p. 16 CVC: 21952

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Section	Issue	Learning Objective	References
		09.A.20(2) Do not park on a sidewalk, even if your vehicle is partially in a driveway.	CDH: p. 31
09.A.21	Pedestrians, driver responsibilities, watching for at certain locations	09.A.21(1) Watch for pedestrians and drive slower near: (a) crosswalks, (b) schools, (c) buses, (d) school zones, (e) parked cars, (f) shopping centers, (g) in business districts, (h) playgrounds, (i) residential streets, (j) shopping centers, (k) parking lots, and (l) downtown areas.	CDH: p. 21
		09.A.21(2) Be especially careful when you encounter pedestrians with umbrellas in front of their faces or hats pulled down over their eyes.	CDH: p. 44
		09.A.21(3) Look for signs indicating that pedestrians are likely to be near or crossing the roadway such as school zone and pedestrian crossing signs.	
		09.A.21(4) Always drive more carefully near schools, playgrounds, and parks because children may suddenly dart into the street.	CDH: p. 21
		09.A.21(5) Near a school, the speed limit is 25 MPH when children are outside or crossing the street. No matter what the speed limit sign states, you should never drive faster than 25 MPH when the school ground has no fence and children are outside.	CDH: p. 21
		09.A.21(6) Sometimes lower speed limit signs are placed near schools, so look for them	CDH: p. 21
		09.A.21(7) Watch for bicycles and pedestrians near parks and schools.	CDH: p. 21

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Section		Issue		Learning Objective	References
	09.A.22	Pedestrians, driver responsibilities, blind pedestrians	09.A.22(1)	Pedestrians using guide dogs or white canes with or without a red tip must be given the right-of-way at all times. These pedestrians are partially or totally blind, so be especially careful when turning corners or backing up.	CDH: p. 55 CVC: 21963, 21964, 21965
	09.A.23	Pedestrians, driver responsibilities, towing	09.A.23(1)	You must not tow anyone who is riding a bicycle, wagon, roller skates, a sled, skis, or a toy vehicle.	CDH: p. 33
09.B	Sharing the road with school busses	School busses, stopped	09.B.01(1)	School busses must activate red lights at all stops to load or unload students, may activate flashing amber lights when approaching loading stops, and may activate an automatic stop sign.	CVC: 22112
			09.B.01(2)	Look for stopped school buses and be prepared for children crossing the street.	CDH: p. 21
			09.B.01(3)	Flashing yellow lights on a stopped school bus warn you to prepare to stop because children are going to be leaving the bus.	CDH: p. 21 CVC: 22454
			09.B.01(4)	Flashing red lights on a school bus indicate that children will be entering or exiting the bus. Schoolchildren may be crossing the road to or from the school bus.	CDH: p. 21
			09.B.01(5)	The flashing red lights are located at the top front and top back of the school bus.	CDH. p. 21

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Section	Issue	Learning Objective	References
09.B.02	School buses, moving	09.B.01(6) If you see flashing red lights on a stopped school bus on your side of the road, you must stop until the lights stop flashing.	CDH. p. 21 CVC: 22454
		09.B.01(7) If you see flashing red lights on a stopped school bus on the other side of the road, you must stop until the lights stop flashing, unless the roadway is divided by a median or wall, or if there are two or more lanes of traffic traveling in each direction.	CDH. p. 21 CVC: 22454
		09.B.01(8) You must obey hand signals and instructions from school bus operators.	
		09.B.01(9) If you fail to stop for a school bus with flashing red lights, you may be fined up to \$1,000 and your license can be suspended for a period of 1 year.	CDH. p. 21 CVC: 22454
		09.B.02(1) Be cautious when encountering a school bus, even when its red lights are not flashing. Be courteous to the school bus driver.	
		09.B.02(2) Give school busses the right-of-way. Avoid causing a school busses to make abrupt maneuvers, such as by cutting them off.	
		09.B.02(3) You should increase the cushion of space in front of your vehicle to at least 4 seconds when you see a bus or school bus ahead.	CDH: p. 36

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Section	Issue	Learning Objective	References
09.C Sharing the road with bicyclists	09.C.01 Bicyclists, bicycle defined	09.B.02(4) Do not drive faster than 25 miles per hour near school bus stops if there are children present. Watch for children who may dart out before the school bus arrives or after school bus has departed.	
		09.B.02(5) Be aware that school buses and other large vehicles that carry passengers must stop at railroad crossings, whether or not a train is approaching. If you are following a school bus, slow down early to allow plenty of room for the bus to stop when approaching railroad crossings.	CDH: p. 22, 36 CVC: 22452
		09.C.01(1) A bicycle is a device upon which any person may ride, propelled by human power through a belt, chain, or gears, and having one or more wheels.	CVC: 231
	09.C.02 Bicyclists, accident statistics	09.C.01(2) As you may recall, the definition of a pedestrian did not include bicycles. This is because bicycles are legally considered to be vehicles in California. Therefore, bicyclists are required to obey most of the same laws and have most of the same rights as do automobile drivers.	CDH: p. 54 CVC: 21200
		09.C.01(3) The motor vehicle code addresses issues associated with the registration, necessary equipment, and operation of bicycles on the roadway.	CVC: 39000
		09.C.02(1) Over 100 bicyclists are killed each year in California.	CHP
		09.C.02(2) Every six hours a bicyclist is fatally injured in the US.	

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Section	Issue	Learning Objective	References
		09.C.02(3) 49% of all bicyclist deaths occur to youths age 16 or younger.	
		09.C.02(4) 86% of all bicycle accidents involve an automobile or truck.	
		09.C.02(5) Motorists failing to yield the right-of-way to a bicycle cause 42% of bicycle-related accidents.	
		09.C.02(6) 39% of bicycle accidents occur because cars make turns without noticing bicyclists.	
		09.C.02(7) 87% of bicyclists in California who die in an accident were not wearing a safety helmet.	CHP
09.C.03	Bicyclists, responsibilities as, introduction	09.C.03(1) Bicycles must follow many of the same rules as motor vehicles including: (a) stopping for stop signs and red lights, (b) riding with the flow of traffic, (c) use of left-hand turn lanes and arm signals, (d) speeding laws, (e) rules against impeding traffic, (f) using lights at night, (g) yielding the right-of-way when entering a roadway, and (h) laws prohibiting riding while intoxicated.	CDH: p. 54
		09.C.03(2) However, there are some differences between the laws for motorists and those for bicyclists. For example, bicyclists in certain age groups must wear helmets, and there are special signs that bicyclists must follow that automobiles do not.	

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Section	Issue	Learning Objective	References
		09.C.03(3) As a bicyclist, you should know the rules of the road and be able to apply them to bicycle riding. You should also know how to ride safely to avoid collisions with automobiles, pedestrians, fixed objects, and other bicyclists.	
09.C.04	Bicyclists, responsibilities as, riding with traffic	09.C.04(1) Riding on the left side of the street, against traffic, is one of the most dangerous things a bicyclist can do. About 33% of all car-bicycle accidents involved wrong way bicycle riders and most occur at intersections and involve turning or crossing motorists.	
		09.C.04(2) By riding against traffic, bicyclists approach intersections and driveways from a direction that is unexpected to motorists and out of their normal sight pattern. By riding against traffic, cyclists may not see traffic control devices that apply to them.	
		09.C.04(3) Therefore, bicycles must travel in same direction as other traffic, not against it.	CDH: p. 54
		09.C.04(4) Bicycles must ride on the roadway, not the sidewalk. However, they must use bicycle lanes, when available.	CDH: p. 54
		09.C.04(5) Bicyclists should normally ride in a straight line as near to the right curb or edge of the roadway as is practical, but always a car-door's length away from parked vehicles.	CDH: p. 54
		09.C.04(6) Bicyclists can legally move left from the right edge of the roadway to turn left, pass a parked or moving vehicle or bicycle, and to avoid hitting animals, debris, or other road hazards.	CDH: p. 54

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Section	Issue	Learning Objective	References
		09.C.04(7) Bicyclists may also ride near the left curb or edge of the roadway on one-way streets.	CDH: p. 54 CVC: 21202
		09.C.04(8) Bicyclists may ride side-by-side (two abreast) on roadways, but they must ride single file when being overtaken by other vehicles. Bicyclists may only travel more than two abreast on a shoulder, bike lane or bike path intended for bike use if there is sufficient space. However, they must be in single file when passing vehicles, pedestrians, or other bicyclists.	
09.C.05	Bicyclists, responsibilities as, bicycle lanes	09.C.05(1) The purpose of a bike lane is to provide a protected area for bicyclists so as to reduce the probability of accidents between motor vehicles and bicycles.	CDH: p. 24
		09.C.05(2) A bicycle lane is marked by a solid white line along either side of the street that is at least 4 feet from curb. This line will usually be a broken line near corners of intersections. The words BIKE LANE are painted in white on the pavement at various locations in this lane.	CDH: p. 24
		09.C.05(3) Bicyclists are required to use bicycle lanes, when they are present on a roadway. However, they may exit these lanes to pass, make turns, or avoid a collision.	CVC: 21208
09.C.06	Bicyclists, responsibilities as, intersections	09.C.06(1) Bicyclists should be especially alert at intersections. Most of the accidents involving bicyclists that occur at intersections are due to the motorist's failure to see and yield to cyclists. Be alert for motorists pulling out, crossing, turning left or turning right in front of you.	

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	09.C.06(2)	Bicyclists must obey all traffic signals and signs. Some special signs used for bicyclists are presented in Figure 9.1.	
	09.C.06(3)	Bicyclists make left and right hand turns in the same way that drivers do, using the same turn lanes as other traffic.	CDH: p. 54
	09.C.06(4)	Bicyclists may make left turns as either motorists or pedestrians do. To make a pedestrian left turn, the bicyclist should continue straight across the intersecting road, obey the traffic signals, turn left at the corner, and proceed as usual. Bicyclists may also dismount and walk in the crosswalks of the two intersecting roads.	
	09.C.06(5)	Hand signals for turns are the same for bicyclists as for vehicles, except a right turn signal may be given by extending right arm straight out.	
	09.C.06(6)	Bicyclists must use hand signals before they change lanes, turn, or stop. Bicyclists are permitted to signal a right-hand turn by extending their right arm horizontally or extending their left arm bent upward at the elbow. A left hand turn is to be indicated by extending one's left arm out horizontally. A stop is indicated by extending the left hand down.	
	09.C.06(7)	Bicycles must stop before exiting driveways. Bicycle-vehicle accidents often happen when the bicyclist doesn't stop at the end of the driveway to look for cars or when they are crossing a driveway on a sidewalk and a vehicle pulls in front of them.	

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09.C.07	Bicyclists, responsibilities as, other	09.C.07(1) It is illegal to ride a bicycle under the influence of alcohol or other drugs. Bicyclists must submit to a test of the BAC level. Bicyclists can be fined up to \$250.	CVC: 21200.5
		09.C.07(2) Bicycles are required to have front and rear lights and reflectors when ridden at night.	CVC: 21201
		09.C.07(3) Persons under 18 years of age are required to wear approved safety helmets whenever they are riding a bicycle (or as a passenger on one) on a street, bikeway, or other public path or trail.	CVC: 21212
		09.C.07(4) You can be cited for exceeding the speed limit or riding faster than is safe for conditions on a bicycle.	
		09.C.07(5) Bicyclists must yield the right of way to emergency vehicles, pedestrians, and approaching vehicles.	
		09.C.07(6) It is illegal for a bicyclist to operate on the highway wearing more than one earphone attached to a radio tape player or other audio device.	
09.C.08	Bicyclists, responsibilities as, safe practices	09.C.08(1) Bicyclists should be careful to look and listen for hazards. It is important to be totally alert to traffic. Watch out for opening car doors and for cars pulling into the roadway. Avoid objects on the pavement that may cause you to lose control of your bicycle.	
		09.C.08(2) Bicyclists can prevent accidents by maximizing their visibility by wearing bright-colored clothing, by maintaining proper roadway position, and by establishing eye contact with motorists.	

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		09.C.08(3) Bicyclists should watch for cars pulling out of streets and driveways. They should make eye contact with drivers and assume they don't see them until they are sure they do. Drivers may not see bicyclists when the sun is in their eyes.	
		09.C.08(4) Bicyclists should scan the road around them. They should keep their eyes roving constantly for cars, people, sand and gravel, grates, and so forth. They should learn to look back over their shoulder without losing their balance or swerving.	
		09.C.08(5) Bicyclists should be careful to avoid road hazards. They should watch out for parallel-slat sewer/storm drain grates, slippery manhole covers, oily pavement, grates, sand, and gravel. They should cross railroad tracks carefully at right angles. To get better control as they move across bumps and other hazards, they should stand up on their pedals. Report poor road conditions and pot holes to the city or county in which they occur.	
		09.C.08(6) Bicyclists should keep both hands ready to break at all times. They may not stop in time if they brake one-handed. They should allow extra distance for stopping in the rain, since brakes are less efficient when wet.	
		09.C.08(7) Bicyclists should watch for chasing dogs. They should try to ignore them, or try a firm, loud "NO". If the dog doesn't stop, they should dismount with their bike between them and the dog. Dogs are attracted by the spinning of wheels and feet.	
09.C.09	Bicyclists, driver responsibilities, introduction	09.C.09(1) Bicyclists are not out of place on the roadway— they are part of the normal traffic flow and share the road with other drivers.	CDH: p. 54

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Section	Issue	Learning Objective	References
		09.C.09(2) It is up to bicyclists and motorists to treat each other with care and respect. Strict adherence to the law and common courtesy are the foundation for this respect.	
		09.C.09(3) Be careful when driving near bicycles. A bicycle rider could be seriously hurt in an accident. Always leave plenty of room between your vehicle and any bicycle. Watch carefully for bicycles before turning.	CDH: p. 37, 43
		09.C.09(4) When driving near bicyclists, make sure to look for hand signals from the rider indicating that he or she is turning left or right, or is stopping.	
		09.C.09(5) Make sure to check your blind spots before turning or making lane changes. Bicycles and motorcycles are small and can easily be hidden in your blind spots.	CDH: p. 35
09.C.10	Bicyclists, driver responsibilities, bicycle lanes	09.C.10(1) Vehicles must not drive in a bike lane unless they are turning right at a corner or other entrance such as a driveway, or to exit such a corner or entrance.	CDH: p. 24
		09.C.10(2) When making a right turn under these circumstances, you must enter the bike lane to start your turn, but no sooner than 200 feet from point at which you will make your turn. Watch for bicycles before entering the bicycle lane.	CDH: p. 24 CVC: 21209
		09.C.10(3) When parked with a bike lane along the left side of your car, you must be particularly cautious in opening a door on the left side of the car, and in general, always check for bicycles and motorcycles before opening a left side door.	CDH: p. 32

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Section	Issue	Learning Objective	References
09.C.11	Bicyclists, driver responsibilities, passing	09.C.10(4) Drivers of motorized bicycles (mopeds) should use bicycle lanes carefully to avoid accidents with bicycle riders.	
		09.C.10(5) You may park in a bike lane unless otherwise posted.	CDH: p. 25
		09.C.11(1) It is dangerous to rapidly overtake a bicycle.	CDH: p. 25
		09.C.11(2) Driver must be careful when driving close to bicyclists. Allow a minimum of three feet of space between the side of your vehicle and the bicycle when passing.	CDH: p. 25
		09.C.11(3) When you want to pass a vehicle or bicycle going in your direction, pass on the left.	CDH: p. 25
		09.C.11(4) Before passing a bicyclists in a narrow traffic lane, wait until the traffic is clear in the opposite lane and then change lanes to pass the bicyclist. Do not attempt to squeeze past the bicyclist.	CDH: p. 25, 43
		09.C.11(5) Avoid passing other vehicles, including motorcycles and bicycles on two-lane roads.	CDH: p. 45
		09.C.11(6) Before you pass other vehicles, look ahead for people and bicyclists near the road that may cause other vehicles to move over into your lane.	CDH: p. 45
		09.C.11(7) Be patient when passing a bicyclist. Slow down and pass only when it is safe. Do not squeeze the bicyclist off the road.	

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Section	Issue	Learning Objective	References
09.D Sharing the road with animals	09.C.12 Bicyclists, driver responsibilities, turns	09.C.12(1) While making a right hand turn you should merge in behind a bicycle rather than cutting in ahead of the bicycle regardless of whether there is a bike lane.	CDH: p. 55
		09.C.12(2) When turning left, make sure to look for motorcyclists and bicyclists. Watch for bicyclists between your vehicle and the curb because they can legally use left turn lanes for their left turns.	CDH: p. 29
		09.C.12(3) When turning right, get close to the right edge of the road and watch for bicycles or motorcycles between you and the curb.	CDH: p. 28
		09.C.12(4) Drivers should look carefully for bicyclists before turning right and merge safely toward the curb or into the bicycle lane.	CDH: p. 55
		09.C.12(5) Do not overtake a bicyclists just before making a right turn. Merge towards the right first, then turn.	CDH: p. 55
		09.C.12(6) Do not make U-turns when a bicycle (or any vehicle) coming from the opposite direction is close enough to be a hazard.	CDH: p. 29
	09.D.01 Animals, owner responsibilities	09.D.01(1) Horse-drawn vehicles and riders of horses or other animals are entitled to share the road with you. You also need to know what to do should you encounter stray or wild animals on or near the roadway.	CDH: p. 53 CVC: 21050
		09.D.01(2) Persons riding or driving an animal upon a roadway have all the rights and responsibilities of automobile drivers.	CVC: 21050

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Section	Issue	Learning Objective	References
09.D.02	Animals, driver responsibilities	09.D.02(1) Abandonment or dumping of any animal can create a severe traffic safety hazard and is a crime punishable by a fine of up to \$1,000, or confinement in a county jail up to six months or both.	CDH: p. 33 CVC: 21376
		09.D.02(2) Yellow warning signs are often posted along roadways where animals are likely to enter the road. Slow down and be prepared to react to animals on the road when you see these signs.	CVC: 21365, 21364
		09.D.02(3) When encountering animals in or along the side of the road, slow down and stop if necessary and follow the orders of the persons in charge of the animal(s).	CDH: p. 53 CVC: 21759
		09.D.02(4) When passing horses or horse-drawn vehicles, drive slowly and do not make any sudden moves with your vehicle.	CVC: 21759
		09.D.02(5) It is dangerous to scare animals on or near roadways by honking horn. It is against the law to scare horses or stampede livestock.	CDH: p. 53
		09.D.02(6) If you see a stray animal in your path, slow down or stop if it is safe to do so.	
		09.D.02(7) Many animals are most active around dusk and dawn, so you should be particularly careful when driving during these times. Look for animals that may enter the road as you approach.	
		09.D.02(8) Animals may not be transported in the load space or a pickup or other truck unless properly secured to prevent them from falling out of the vehicle.	CDH: p. 33 CVC: 23117, 42001.4
09.D.03	Animals, driver responsibilities, accidents	09.D.03(1) A collision with a large animal can result in extensive damage to a vehicle and serious injury or death to the occupants of a car.	

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Section	Issue	Learning Objective	References
09.E Sharing the road with large trucks	09.E.01 Large trucks, introduction	09.D.03(2) Depending on the size of the animal you are about to hit and your speed, it may be more dangerous to you and your passengers to avoid a collision by slamming on the brakes, swerving into oncoming traffic lanes, or attempting maneuvers that may cause you to lose control of your car.	CDH: p. 61
		09.D.03(3) If you accidentally kill or injure an animal, you should: (a) pull over, (b) try to locate the owner, (c) call the humane society, police, or CHP, (d) never leave the injured animal to die, and (e) never try to move an injured animal. These procedures were outlined in more detail in Unit 8.	
		09.E.01(1) To reduce the chance of an accident with a large truck (such as a tractor-trailer), you must be familiar with their capabilities, limitations, and how they maneuver.	
	09.E.02 Large trucks, accident statistics	09.E.01(2) Trucks are not just large cars. When large trucks accelerate, brake, climb a hill, switch lanes, or turn, they must perform certain maneuvers with which passenger vehicle drivers are generally not familiar.	CDH: p. 50
		09.E.01(3) The bigger the truck, the bigger the blind spots, the more room it needs to maneuver, the longer it takes to stop, and the more likely you are going to be the loser in a collision.	
		09.E.02(1) In 9 out of 10 fatal crashes between cars and trucks, the occupants of the car are killed.	
		09.E.02(2) The car driver is cited about twice as often as the truck driver for reckless behavior in crashes involving large trucks.	

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Section	Issue		Learning Objective	References
		09.E.02(3)	In almost two-thirds of fatal crashes, the impact point is at the front of the truck, suggesting that most fatal crashes are within the forward view of the truck driver.	
09.E.03	Large trucks, characteristics of, introduction	09.E.03(1)	Trucks are designed to transport products and are not as maneuverable as passenger vehicles. Large trucks have longer stopping and starting distances. They take more space for turns and have more extensive blind spots than do passenger vehicles.	CDH: p. 50
09.E.04	Large trucks, characteristics of, braking	09.E.04(1)	Large trucks take longer to stop than a car traveling at the same speed.	CDH: p. 50
		09.E.04(2)	The average passenger vehicle traveling at 55 MPH can stop in about 400 feet. A large truck traveling at the same speed can take almost 800 feet to stop. That is twice the braking distance that the passenger vehicles requires to stop.	CDH: p. 50
		09.E.04(3)	Don't pull in front of a large truck and suddenly slow down or stop. The trucker will not be able to stop quickly enough to avoid crashing into you.	CDH: p. 50
09.E.05	Large trucks, characteristics of, turning	09.E.05(1)	When a vehicle turns, the rear wheels follow a shorter path than do the front wheels. The longer the vehicle, the greater this difference is. This is why large trucks must often swing wide to complete a right turn, which may include a turn to left before making a final right turn.	CDH: p. 50

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Section	Issue	Learning Objective	References
		09.E.05(2) When you follow a large truck, look at its turn signals before you start to pass on the left or right. If you think the truck is turning left, wait a second and check the truck's turn signals again. The driver may actually be turning right. Watch turn signals to avoid a collision.	CDH: p. 50
		09.E.05(3) Give trucks room when passing. When truck drivers swing wide to manage their turns, they cannot see vehicles directly behind them.	
09.E.06	Large trucks, characteristics of, blind spots	09.E.06(1) Passenger vehicle drivers falsely assume that a trucker can see the road better because he or she is higher off the roadway.	CDH: p. 50
		09.E.06(2) While truckers do have a better forward view and bigger mirrors, they have more extensive blind spots than most passenger vehicles. These blind spots are often called the "NO ZONE," meaning you should avoid driving in them.	CDH: p. 50
		09.E.06(3) Your vehicle can become lost in a large truck's blind spots. If you stay in one of the truck's blind spots, you block the trucker's ability to take evasive action to avoid a dangerous situation.	CDH: p. 50
		09.E.06(4) Unlike passenger vehicles, large trucks have deep blind spots directly behind them. If you tailgate, not only do you make it impossible for the truck driver to see you, but you also cut off your own view of traffic flow.	
		09.E.06(5) Trucks also have blind spots on both sides of them. When you travel in these areas, you cannot be seen by the truck driver.	

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Section	Issue		Learning Objective	References
		09.E.06(6)	Generally speaking, if you can't see the truck driver in his or her side mirror, he or she can't see you.	CDH: p. 50
09.E.07	Large trucks, characteristics of, maneuverability	09.E.07(1)	On multilane highways and freeways, large trucks usually stay in the center portion of the lane to help the flow of traffic. This also increases the trucker's ability to maneuver in case he or she must change lanes to avoid a hazard.	CDH: p. 50
		09.E.07(2)	Don't expect large trucks to be able to maneuver like passenger vehicles. Give them a lot of room when the driver is attempting a tight turn, such as one into a driveway or alley.	
09.E.08	Large trucks, characteristics of, speed	09.E.08(1)	Realize that large trucks and vehicles towing trailers often have lower maximum speed limits on freeways than do passenger vehicles, particularly on steep downgrades. Even though the speed limit may be 65 MPH for you, it may be only 55 or 35 MPH for these other vehicles.	
		09.E.08(2)	Drivers of busses or large trucks, and those towing other vehicles will usually be traveling slower than other vehicles. These drivers must drive in the right-hand lane or in a lane specially marked for slow-moving vehicles.	CDH: p. 26, 53
		09.E.08(3)	If no lanes are marked, and four lanes travel in the same direction, these drivers may only drive in either of the two lanes closest to the right side of the road.	

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Section	Issue	Learning Objective	References
		09.E.08(4) Give large trucks more time to pick up speed. A truck may have 2-3 times more power under the hood than a passenger vehicle, but it must pull 30-40 times more when than a passenger vehicle engine. The truck may have to go through 10 gears to reach the speed limit.	
		09.E.08(5) On long, steep downgrades, keep a look out for large vehicles which can gather speed very quickly.	
		09.E.08(6) Large vehicles and vehicles with loads may have to travel slowly when going up or down a hill.	CDH: p. 53
		09.E.08(7) Large vehicles and vehicles with heavy loads take longer to get up to speed when merging into traffic.	CDH: p. 53
09.E.09	Large trucks, common passenger vehicle mistakes, introduction	09.E.09(1) Common mistakes that passenger vehicle driver make while driving around large trucks include: (a) cutting off a truck to reach an exit or make a turn, (b) lingering alongside a truck when passing, (c) following too closely or tailgating the truck, and (d) underestimating the size and speed of approaching trucks.	CDH: p. 50
09.E.10	Large trucks, common mistakes, cutting in front of	09.E.10(1) Do not cut of a large truck in traffic or on the highway to reach an exit or turn. Cutting into the open space in front a truck is dangerous. This large amount of open space in front of the truck is required for the driver to be able to stop the vehicle safely.	CDH: p. 50
		09.E.10(2) Trying to beat a truck to a single-lane construction zone, for example, removes the truck driver's cushion of safety and also places you in danger. Slow down and take your turn entering the construction zone.	CDH: p. 50

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Section	Issue	Learning Objective	References
		09.E.10(3) Don't speed up to pass a truck so you can exit the roadway. Take a moment to slow down and exit behind the truck— it will only take you a few extra seconds and may save your life.	CDH: p. 50
		09.E.10(4) Only pull in front of a truck when can see the whole truck in your rear-view mirror. Because of their size and weight, they need a much greater distance to stop than passenger vehicles. If you don't give the driver enough space, you run the risk of being hit from behind.	
09.E.11	Large trucks, common mistakes, lingering alongside	09.E.11(1) Don't linger alongside a truck when passing. Remember that large trucks have an extensive blind spot on their right side. Always pass large trucks on the left side and after you have passed the truck, move ahead of it.	CDH: p. 50
		09.E.11(2) If you linger alongside a large truck while passing, you make it very difficult, if not impossible, for the trucker to take evasive action if an obstacle appears in the road ahead.	CDH: p. 51
09.E.12	Large trucks, common mistakes, tailgating	09.E.12(1) Do not follow a large truck too closely or tailgate. When you follow behind a truck and you cannot see the truck driver's side mirrors, the trucker has no way of knowing you are there.	CDH: p. 50
		09.E.12(2) Tailgating a truck, or any vehicle, is dangerous because you take away your own cushion of safety in front of your vehicle. You have to consider where you will maneuver when the truck in front of you stops quickly.	CDH: p. 51

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Section	Issue		Learning Objective	References
		09.E.12(3)	Give yourself a four-second or more cushion of space in front of your vehicle when following large vehicles that block your view of the road ahead. You need the extra room to see around the vehicle and to the sides and to stop in case of an emergency situation.	CDH: p. 36
09.E.13	Large trucks, common mistakes, underestimating size and speed	09.E.13(1)	Many passenger vehicle-large truck accidents take place at intersections because the passenger vehicle driver did not realize how close the truck was or how quickly it was traveling.	CDH: p. 51
		09.E.13(2)	A large truck often appears to be traveling at a slower speed because of its large size.	CDH: p. 51
		09.E.13(3)	Never underestimate the size and speed of an approaching large truck or tractor-trailer. Think twice before turning left or right in front of a large truck. Who is the most likely to lose if you are wrong about your judgment of the truck's speed?	CDH: p. 51
09.E.14	Large trucks, hazardous loads	09.E.14(1)	Diamond-shaped signs on vehicles mean that the load on the truck is dangerous and tell you what the danger is.	CDH: p. 56
		09.E.14(2)	Vehicles which display these signs must stop before crossing railroad tracks. If you are following a vehicle marked with one or more of these placards and railroad crossing is approaching, be prepared for the vehicle to stop.	CDH: p. 22, 56, 81 CVC: 22452
		09.E.14(3)	Some hazardous materials have codes which may be on signs on the vehicle carrying them so that emergency personnel know quickly what to do if there is a spill or fire.	CDH: p. 56

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Section	Issue	Learning Objective	References
09.F	Sharing the road with slow moving vehicles	09.E.14(4)	When following one of these vehicles, give yourself at least a four-second cushion of space in front of your vehicle. You do not want to rear-end a vehicle carrying hazardous materials.
			A hazardous materials endorsement is need to transport materials which require any of these placards.
		09.E.14(5)	CDH: p. 6
		09.F.01	Slow moving vehicles, general
09.F	Sharing the road with slow moving vehicles	09.F.01(1)	Some vehicles have trouble keeping up with the speed of traffic. Examples include: (a) horse-drawn carriages, (b) construction equipment, (c) farm tractors, and (d) old historical vehicles. These vehicles usually travel at 25 MPH or lower.
		09.F.01(2)	Slow moving vehicles may have an orange-colored triangle signs on the back to warn you that the vehicle travels slower than other traffic.
		09.F.01(3)	You should adjust your speed or change lanes before reaching a slow-moving vehicle.
		09.F.01(4)	Some slow moving vehicles, such as garbage trucks, make frequent stops on the roadway. These vehicle often have signs on them which indicate that the vehicle makes frequent stops. Do not follow these vehicles too closely and be prepared to stop if the vehicle does.
		09.F.01(5)	Watch for large trucks and small, under-powered cars, because on long or steep hills they lose speed quickly. When entering traffic they take longer to get up to speed.

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Section	Issue	Learning Objective	References
09.G Sharing the road, work zones	09.G.01 Work zones, introduction	09.G.01(1) A work zone is any type of road work that may impede traffic conditions. Many work zones involve lane closures. They may also be on the shoulder or in the median. Moving work zones such as sweepers or snowplows are also quite common.	CDH: p. 56
		09.G.01(2) There are a number of events that make up a work zone. They can be long term projects or short term actions. A work zone can also exist at anytime of year.	
		09.G.01(3) It is up to you to ensure both your own and the workers' safety by driving slowly through work areas. The highway worker's life is in your hands.	
		09.G.01(4) Avoid road work zones altogether by using alternate routes, when you can. And, if you know can't avoid them, follow the tips presented in this unit to make your travels through work zones safer.	
		09.G.01(5) If you know there is going to be road construction on a route you must travel, allow extra time for your trip. Travel during non-peak traffic hours. Share a ride or car pool to reduce congestion in the work zones.	
	09.G.02 Work zones, accident statistics and facts	09.G.02(1) There have been 149 Caltrans employees who have been killed in the line of duty. One of the biggest hazards is from motorists who do not exercise caution while driving where highway workers are present.	
		09.G.02(2) In the last 5 years, in California, there have been 30,000 collisions, 16,000 injuries and nearly 300 deaths due to inattentive drivers crashing in highway work zones.	

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Section	Issue	Learning Objective	References
		09.G.02(3) In the last 10 years, 98% of all people who have died in work zone crashes have been motorists.	
		09.G.02(4) More motorists are killed and injured in work zone crashes than highway workers. Motorists are more likely to crash into other motorists than the construction workers.	Mich. DOT
		09.G.02(5) The most common crash in a highway work zone is the rear-end collision; one in three crashes in work zones is a rear-end collision.	
		09.G.02(6) The two major reasons for work zone crashes: Speeding and inattentive driving.	Wis. DOT
		09.G.02(7) Areas where traffic is entering or leaving work zones are most dangerous because that's where drivers are jockeying for position.	
09.G.03	Work zones, warnings	09.G.03(1) The common theme among work zones is the color orange. Work zone materials such as cones, barrels, signs, large vehicles, and orange lights give you an indication that you are either approaching a work zone or in a work zone.	CDH: p. 56
		09.G.03(2) Workers who must be on highways try hard to warn you of their presence by using orange equipment and wearing orange clothing.	CDH: p. 56
		09.G.03(3) When you see orange on or near the roadway, you must be prepared for people and slow moving equipment on the road.	CDH: p. 56

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Section	Issue	Learning Objective	References
		09.G.03(4) Examples of orange signs used for work zones were shown in Figure 4.5.	CDH: p. 81
		09.G.03(5) Road obstructions in work zones may be marked with permanent warning signs, cones, sawhorses, and various types of barriers.	
09.G.04	Work zones, workers and equipment	09.G.04(1) Watch for flaggers or signal persons near construction sites. You must obey instructions from signal persons at road construction sites and the instructions on orange warning signs. For his or her safety, allow them to get to the side of the road before driving ahead.	CDH: p. 56
		09.G.04(2) You should allow an extra cushion of space around your vehicle when driving near construction workers because they are likely to be distracted by their work and may step out in front of your vehicle.	
		09.G.04(3) Vehicles used to maintain the highways, such as bulldozers, often move slowly on or next to the roadway. Be prepared to slow down or stop for them.	CDH: p. 56
		09.G.04(4) Be watchful for construction vehicles moving in and out of work zones.	
09.G.05	Work zones, safe practices, approach	09.G.05(1) When you see the color orange, remain alert. You are approaching or traveling through a work zone. Proceed with caution.	

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Section	Issue	Learning Objective	References
	09.G.05(2)	Be on the lookout for flagpersons or other highway construction workers, who may be guiding heavy machinery on or near the roadway. You should also watch out for stalled cars or accidents in the work zone.	CDH: p. 56
	09.G.05(3)	Prepare for sudden slowing of traffic when approaching a construction zone and look for message signs and flashing arrow panels, which will indicate lane closing or other changes in traffic patterns.	
	09.G.05(4)	When approaching a work zone, look for orange signs, often found on the right side of the road, to find out where the road work is located. Many work zones also have signs that alert you to reductions in speed while approaching a work zone.	
	09.G.05(5)	Slow down to the specially-posted speed limits before entering a construction zone. The posted speed limits are set for work zone conditions.	
	09.G.05(6)	Watch the traffic around you, and be prepared to react to what that traffic is doing. Check the taillights/brake lights of vehicles ahead of you for indications of what they're doing.	
	09.G.05(7)	Be careful on freeways of road construction. Curves on ramps make it hard to see ahead. Orange flags and signs may warn you that workers and equipment are ahead. Slow down and watch out for their safety.	CDH: p. 56

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Section	Issue	Learning Objective	References
		09.G.05(8) Remember that some work zones, like line painting, road patching, and mowing, are mobile. Just because you don't see the workers immediately after you see the warning signs doesn't mean they're not out there. Therefore, observe the posted signs until you see the one that says "End Road Work," whether or not you actually see workers.	
09.G.06	Work zones, safe practices, approach, lane closures	09.G.06(1) One or more lanes may be closed when road work is going on. Orange signs will tell you which lanes are closed. A line of orange cones will show you the closed lane. Do not cross the line of cones.	CDH: p. 56
		09.G.06(2) Obey signs, channeling devices and pavement markings as soon as you can— they give direction through the work zone.	
		09.G.06(3) Sometimes a flashing arrow will tell you to move left or right. You must obey these flashing arrows.	
		09.G.06(3) Sometimes a flashing arrow will tell you to move left or right. You must obey these flashing arrows.	CDH: p. 50
		09.G.06(4) When required, merge left or right as soon as possible. When vehicles move to the appropriate lane quickly, traffic flow and posted speeds are usually maintained-and everyone's stress level is kept in check.	
		09.G.06(5) Never cut off another vehicle as you attempt to enter a work zone. Leave plenty of room between your vehicle and others around you.	
09.G.07	Work zones, safe practices, within	09.G.07(1) Driving through a highway construction or maintenance work zone requires patience, caution, concentration, and a little common sense.	

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Section	Issue	Learning Objective	References
	09.G.07(2)	Remember that normal driving conditions do not exist in and around work zones. Anticipate events and be ready to respond quickly. Proceed with extreme caution, and keep an eye out for the unexpected.	
	09.G.07(3)	When you are inside of a work zone, there are usually signs that direct motorists through the work zone safely. Look for signs that tell you if there are other unusual events, such as uneven pavement or no shoulder. You should obey all work zone signs. Do not become oblivious to work zone signs when the work is long term or widespread.	
	09.G.07(4)	Work zone hazards include uneven pavement, narrow lanes, concrete barricades, heavy or slow-moving equipment, loose gravel, and vehicles making sudden stops.	
	09.G.07(5)	Drive at the posted speed, which often has been decreased through the work zone. The penalty for speeding violations in a work zone is a fine equal to twice the amount that would normally be assessed.	
	09.G.07(6)	Do not change lanes or pass other vehicles in work zones, unless instructed to do so by signs or signal persons.	
	09.G.07(7)	Leave plenty of room between your car and the one in front of you. Unexpected stops frequently occur in work zones. Keeping at least three to four seconds of space between you and the vehicle in front is a good rule to follow. Also keep a safe distance between your vehicle and traffic barriers, trucks, construction equipment and workers.	

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Section	Issue	Learning Objective	References
		09.G.07(8) Pay attention and stay calm. Work zones are not intended to disrupt your schedule. They are there to improve the road and help everyone stay on schedule.	
		09.G.07(9) Give full attention to the driving task. A roadway work zone is not the time to pick up and dial your cell phone, change the CD, look at the map or read the newspaper.	
		09.G.07(10) Don't stop or slow down to watch road work. Keep your eyes scanning the road ahead until you have completely moved through the work zone area.	CDH: p. 56
		09.G.07(11) Be extra cautious at night when moving through work zones, when obstacles such as barrels or road cones could be lying in the roadway.	
		09.G.07(12) Fines are doubled for certain violations committed in highway construction or maintenance zones when workers are present and/or traffic is regulated or restricted by Caltrans or local authorities.	CDH: p. 56 CVC: 42009
09.G.08	Work zones, winter	09.G.08(1) The most common winter work vehicles are snowplows. There are many things to remember when approaching a snowplow.	
		09.G.08(2) Snowplows travel at reduced speeds. Slow down when approaching a snowplow.	
		09.G.08(3) Stay behind the snowplow at least 300-500 feet. If you follow too closely to a snowplow when it is sanding or salting the roadway, your vehicle may get pelted with sand and salt.	

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Section	Issue	Learning Objective	References
09.G.09	Work zones, off the roadway	09.G.08(4) Never pass a snowplow. Snowplows create artificial snow clouds that may be very dangerous because of various debris that is found in them. It is also difficult to determine which side the plow is down. If your vehicle strikes the plow, it may cause serious damage to you and/or your vehicle.	
		09.G.08(5) Never drive between snowplows. When you see more than one snowplow together it creates an opportunity to clear the roadway faster and safer. But your chances of being in a crash with a snowplow is greatly increased when trying to drive between these teams of snowplows. Remember that each loaded snowplow weighs 50,000 pounds. An average vehicle weighs 3,000 pounds. Do not tempt fate.	
		09.G.08(6) Always yield to snowplows. The easiest way to convince yourself to yield to a snowplow is the fact that driving conditions behind a snowplow are much better than conditions ahead of it.	
		09.G.09(1) There is a lot of work that is done off of the roadway. Guardrail repair, litter pickup, and drainage repair are just a few examples.	
		09.G.09(2) Make sure you are always aware of what is going on around you. Stay alert and prepare to stop when approaching any kind of work being done on or off the roadway.	
		09.G.09(3) Whenever anything unusual is happening off the roadway anticipate slowdowns due to drivers unnecessarily watching the work.	

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Section	Issue	Learning Objective	References
09.H Sharing the road with emergency vehicles	09.H.01 Emergency vehicles, introduction	09.G.09(4) When approaching a work zone off of the roadway, continue at the posted speed and fight off the urge to slow down and look. This will help in keeping the roadway moving.	
		09.H.01(1) Emergency vehicles include ambulances, law enforcement, fire fighting, forestry, lifeguard, and other rescue and lifesaving vehicles.	CVC: 165
	09.H.02 Emergency vehicles, yield the right-of-way	09.H.01(2) When you encounter emergency vehicles on the roadway, be courteous. Act in a manner consistent with what you would want other drivers to do if you were the person in need of help.	
		09.H.02(1) When emergency vehicles are responding to an call, they will have at least one lighted red lamp and sound a siren. They may also flash white, red, yellow, and blue lights.	CVC: 21806
		09.H.02(2) You must yield the right-of-way to a police car, fire engine, ambulance, or other emergency vehicle using a siren and red light.	CDH: p. 52 CVC: 21806
		09.H.02(3) When you are driving you should be alert for the lights and siren of approaching emergency vehicles. Do not play your sound system too loudly so as to prevent you from hearing sirens.	

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Section	Issue	Learning Objective	References
	09.H.02(4)	If you hear sirens but do not see the emergency vehicle, the best thing for you to do is slow down and be prepared to stop. Do not panic. Scan the roadway and your mirrors. Approach intersections with extreme caution— the vehicle may be approaching quickly from a side street.	
	09.H.02(5)	When you encounter an emergency vehicle with flashing lights and a siren, you must pull as close to the right edge of the road as possible and stop until the emergency vehicle(s) has passed. It does not matter what side of the road or direction the emergency vehicle is approaching from. You must pull right and stop.	CDH: p. 52 CVC: 21806
	09.H.02(6)	You should not stop for an emergency vehicle in the middle of an intersection. Continue through the intersection and then pull to the right as soon as you can.	CDH: p. 52
	09.H.02(7)	If you are driving on the freeway and an emergency vehicle approaches from behind, you should yield the right-of-way to the emergency vehicle. Usually this will consist of merging out of the leftmost lane, slowing your vehicle, and allowing the emergency vehicle to pass. However, you should also get out of the way of emergency vehicles trying to enter or exit the freeway. Do not pull over to the side of a multi-lane freeway and stop— it is dangerous to do so.	CDH: p. 52 CVC: 21806
	09.H.02(8)	If you are a pedestrian walking on a roadway and an emergency vehicle approaches with a red light and siren, you should proceed to the nearest curb or place of safety and remain there until the vehicle has passed.	CVC: 21806

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Section	Issue	Learning Objective	References
		09.H.02(9) Sometimes emergency vehicles will use the wrong side of the street to continue on their way.	CDH: p. 53
		09.H.02(10) Emergency vehicles sometimes use a loud speaker to talk to drivers blocking their path.	CDH: p. 53
	09.H.03 Emergency vehicles, other considerations	09.H.03(1) You may be arrested if you drive for sight-seeing purposes to the scene of a fire, accident, or other disaster. You could interfere with the essential services of police, fire fighters, ambulance crews, or other rescue or emergency personnel.	CDH: p. 53
		09.H.03(2) It is against the law to follow within 300 feet of any emergency vehicle which is answering an emergency call.	CDH: p. 53
		09.H.03(3) You must never drive over unprotected fire hoses.	
		09.H.03(4) Comply with orders given by police, fire fighters, traffic officers, and other emergency personnel. You must obey any traffic direction, order, or signal by a traffic or police officer or fire fighter.	CDH: p. 53
		09.H.03(5) Obey any order in emergency or special situations, even if it conflicts with existing signs, signals, or laws.	CDH: p. 53
09.I Sharing the road with motorcycles	09.I.01 Motorcyclists, introduction	09.I.01(1) While everyone must follow the same traffic laws, motorcyclists face unusual dangers because they are hard to see and the motorcycle requires exceptional handling ability.	CDH: p. 53
		09.I.01(2) An accident involving a motorcycle frequently results in serious injury. In most accidents between a car and a motorcycle, the driver of the car is at fault.	

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Section	Issue	Learning Objective	References
09.I.02	Motorcyclists, accident statistics	09.I.01(3) In order to avoid motorcycle-passenger vehicle accidents, the operators of both types of vehicles need to understand the rights, responsibilities, and limitations of the other.	
		09.I.02(1) Motorcycles are greatly overrepresented in fatal crashes in the United States. The death rate per registered motorcycle is more than three times the death rate per registered passenger car.	
		09.I.02(2) The likelihood of injury is extremely high in motorcycle accidents. 98% of multiple vehicle collisions and 96% of single vehicle accidents resulted in some kind of injury to the motorcycle rider; 45% resulted in more than a minor injury.	
		09.I.02(3) Over the last 5 years, motorcycle victims killed have decreased 31.3%. This is likely due to the combined effects of the training classes that are now required of younger riders and the mandatory helmet law.	CHP
		09.I.02(4) The fatality rate for unlicensed riders is three times that of licensed riders, and for the past 10 years, an average of 65% of all fatally injured motorcyclists have been operating without a valid motorcycle endorsement.	
		09.I.02(5) More than 50% of motorcycle accident-involved riders had less than five months' riding experience or less than 500 miles of motorcycle riding experience.	CHP

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Section	Issue	Learning Objective	References
09.I.03	Motorcyclists, licensing and registration	09.I.02(6) The most frequently occurring crash type was running off the road, followed by running a traffic control, oncoming (i.e., headon), left-turn oncoming, and motorcyclist down. Taken together, these five most frequent types account for 86% of all motorcycle crashes.	
		09.I.02(7) Intersections are the most likely place for a motorcycle accident, because of other vehicles violating the motorcycle's right-of-way and often violating traffic controls.	
		09.I.03(1) Special licenses, endorsements, or instruction permits are required to ride a motorcycle on public streets or highways. See Figure 1.1.	CDH: p. 4, 6 Fig. 1.1 Fig. 1.2
		09.I.03(2) You may not even drive mopeds or minibikes on public roads or sidewalks without a M1 or M2 license.	
		09.I.03(3) A M1 license allows you to operate any 2-wheel motorcycle or motor-driven cycle, including those 150cc or higher.	CDH: p. 6
		09.I.03(4) A Class M2 license allows you to operate any motorized bicycle, moped, or any bicycle with an attached motor, up to 150cc.	CDH: p. 6
		09.I.03(5) Although you may ride on a motorcycle instruction permit, you are not allowed to ride at night or on a freeway and can only carry passengers who are licensed instructors.	CDH: p. 10
		09.I.03(6) To apply for a learner's permit for a M1 or M2 license, you will have to take a motorcycle written knowledge test and a vision test. To receive your license, you will have to take a skill test, unless you complete the approved CHP course.	CDH: p. 4

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Section	Issue	Learning Objective	References
		09.I.03(7) The DMV will not issue a M1 or M2 license to anyone under 21 years of age unless that person has completed a CHP approved motorcycle rider training program.	CMH: p. 5
		09.I.03(8) The Basic Rider Course includes 16 to 20 hours of classroom and on-cycle instruction. The course is structured in two levels. Level I is designed to give riders an overall understanding of motorcycling and to prepare them with basic riding skills. Level II applies the basic riding skills to street riding conditions on a controlled riding range.	CHP
		09.I.03(9) Fixed and mobile motorcycle training sites are located throughout California. The telephone number for locating the nearest training site is 1-877-RIDE 411.	CMH: p. 5
		09.I.03(10) Riders are required to register and have financial responsibility for motorcycles, similar to what is required for automobiles. Motorcycles do not, however, require biannual smog certificates.	
		09.I.03(11) The California Motorcycle Driver Supplement Handbook provides more information on motorcycle licensing and registration and is available at any DMV or CHP office.	CDH: p. 3
09.I.04	Motorcyclists, apparel	09.I.04(1) Both motorcycle operators and passengers are required by law to wear a helmet which is approved by the CHP, fits snugly, and is tightly fastened.	CMH: p. 6
		09.I.04(2) To maximize their visibility, operators and passengers should wear light or bright colored apparel. Doing so has been shown to reduce the likelihood of being involved in an accident.	CMH: p. 20

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Section	Issue	Learning Objective	References
		09.I.04(3) Operators and passengers should wear heavy clothing, such as leather jackets, boots, and gloves to protect the body in case of an accident and reduce the effect of the wind on body temperature.	CMH: p. 7
		09.I.04(4) Operators and passengers should also wear something to protect their eyes and face from insects, dirt, wind, rain, and other debris. A helmet with a face shield provides the safest and best protection.	CMH: p. 7
09.I.05	Motorcyclists, preride inspection	09.I.05(1) Equipment failure while riding a motorcycle can be much more dangerous than equipment failure when driving a passenger vehicle, because there is less protection for the rider if the failure causes a collision.	
		09.I.05(2) Before riding, a motorcyclist should conduct a pre-ride inspection of the motorcycle during which he or she checks the: (a) tires, (b) rims or mags, (c) brakes and clutch, (d) chain, (e) horn and lights, and (f) for oil or fuel leaks.	CMH: p. 9
		09.I.05(3) The tires should be checked to ensure that they have good tread and are not dried-out or cracked. The tires should also be checked to insure that they are properly inflated. Worn or uneven tread on the tires can make the bike more difficult to handle. A blow-out on a motorcycle can cause you to lose control and hit the pavement.	CMH: p. 9
		09.I.05(4) The rims/spokes or mags should be checked to insure that they are tightly fastened to the motorcycle and are not cracked or out of true. The bearing should be checked by lifting the wheel off the ground and trying to move the rim from side-to-side.	

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Section	Issue	Learning Objective	References
09.I.06	Motorcyclists, responsibilities as	09.I.05(5) The brakes, clutch, and associated cables should be checked to insure that they are properly functioning. You should adjust the brakes so that they completely stop the wheel from turning when fully applied.	CMH: p. 10
		09.I.05(6) Fuel or oil leaking from the engine can blow onto the back tire of the motorcycle, cause the rider to lose traction, and result in a skid. Running out of gas on a motorcycle at the wrong time, such as on a busy freeway, can be very dangerous. If you lose enough oil, your engine can seize while you are riding and cause your rear-wheel to lock. This can cause you to lose control of your bike. The motorcycle should therefore be checked for leaks before being ridden.	CMH: p. 9
		09.I.05(7) If the motorcycle has a chain, it should be checked to insure that it is tight and properly lubricated. A properly attached chain should have about one inch of play. If the bike is equipped with a rubber drive belt, it should be checked for cracks and wear.	CMH: p. 9
		09.I.05(8) Finally, the motorcyclists should insure that the lights and horn are all functioning properly. Clean your lights before riding and make sure that both the high and low beams are working. This is especially important to do before riding at night.	CMH: p. 9
		09.I.06(1) Motorcyclists have the same rights and responsibilities as the drivers of other vehicles.	CDH: p. 53

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Section	Issue	Learning Objective	References
	09.I.06(2)	Motorcyclists must follow all of the same rules as motor vehicles including: (a) stopping for stop signs and red lights, (b) riding with the flow of traffic, (c) use of left-hand turn lanes and turn signals, (d) speeding laws, (e) rules against impeding traffic, (f) using lights at night, (g) yielding the right-of-way when entering a roadway, and (h) laws prohibiting riding while intoxicated. Motorcyclists must obey all traffic signals and signs.	
	09.I.06(3)	Motorcyclists are entitled to the same full lane width as all other vehicles.	CDH: p. 54
	09.I.06(4)	Lane splitting is where one vehicle drives side-by-side or passes using a lane occupied by another vehicle. It is legal in California for motorcycles to split lanes, but it creates a hazardous situation for both motorcyclists and drivers of other vehicles.	CDH: p. 54 CMH: p. 15
	09.I.06(5)	Although it is not illegal for motorcycles to share lanes, it is unsafe.	CMH: p. 33
	09.I.06(6)	Motorcyclists should be especially alert at intersections. Most of the accidents involving motorcyclists that occur at intersections are due to the motorist's failure to see and yield to the motorcycle. Be alert for motorists pulling out, crossing, turning left or turning right in front of you.	CMH: p. 17
	09.I.06(7)	Motorcycles can use car pool lanes unless posted otherwise.	CDH: p. 25

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Section	Issue	Learning Objective	References
09.I.07	Motorcyclists, defensive riding	09.I.06(8) The California Motorcycle Driver Supplement Handbook provides much more information on the rules of the road for motorcycle riders.	
		09.I.07(1) Just like the drivers of passenger vehicles, motorcyclists should follow the rules of defensive driving. However, there are some additional steps that motorcyclists should take to ensure their safety, because of the high likelihood of injury should an accident occur.	
		09.I.07(2) Motorcyclists, just like passenger vehicle operators, should expect that other drivers will not see them. Because of the small size of their vehicles, motorcyclists must take extra steps to make sure that other drivers are aware of their presence. Of particular importance is that motorcyclists should avoid riding alongside other vehicles whenever possible.	CMH: p. 19
		09.I.07(3) Motorcyclists should know the proper lane positions for increasing their visibility to others and avoiding their blind spots. When in traffic, motorcyclists should follow the path of the left rear wheel of the car ahead so that he or she is visible in the rear-view mirror of the driver being followed.	CMH: p. 12
		09.I.07(4) It is a good idea for motorcyclists to try to enter intersections with other vehicles, not alone. If drivers do not see them, at least they might see the other vehicle and not violate the motorcyclist's right-of-way.	

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Section	Issue	Learning Objective	References
		09.I.07(5) Motorcyclists should use their horn whenever it may help avoid an accident by alerting another driver to his or her presence. However, the cyclists should not assume that the horn will get another driver's attention in time to avoid being merged-into or cut off. The cyclist should also have an escape plan to avoid an accident.	CMH: p. 22
		09.I.07(6) Motorcyclists should be aware of the road surface at all times, but especially when cornering. Look for irregularities in the surface or spots where oil or water have accumulated.	CMH: p. 26
		09.I.07(7) Motorcyclists should use both the front and rear brakes for everything but leisurely stops. The front brake has the most stopping power on a motorcycle. Too much front brake can result in the front wheel locking and being thrown over the handle bars.	CMH: p. 11
		09.I.07(8) When carrying passengers, the operator should recognize the likelihood of poorer handling and acceleration of the motorcycle and compensate the type of riding they attempt. Do not think that your bike will perform the same with twice the load on the engine.	CMH: p. 31
09.I.08	Motorcyclists, passengers, responsibilities of	09.I.08(1) As passenger on a motorcycle should know how to lean with the operator of the motorcycle during turns and curves.	
		09.I.08(2) It is legally required that motorcycle passengers to keep their feet on the passenger pegs at all times that the motorcycle is moving.	
		09.I.08(3) Passengers are required to wear approved helmets.	

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Section	Issue		Learning Objective	References
09.I.09	Motorcyclists, driver responsibilities, introduction	09.I.09(1)	Specific actions you should take to safely share the road with motorcyclists include: (a) visually checking for motorcycles when changing lanes, (b) allowing a four-second following distance when following a motorcycle, (c) understanding that motorcycles can legally share (split) lanes with other vehicles, (d) visually checking for motorcycles when making a turn and not misjudging their speed, and (e) realizing that minor road condition annoyances for drivers can be particularly dangerous for motorcyclists.	CDH: p. 54
09.I.10	Motorcyclists, driver responsibilities, turns and lane changes	09.I.10(1)	Motorcycles are small and this allows them to easily be obscured by other traffic and in the blind spots of other vehicles.	CDH: p. 53
		09.I.10(2)	When changing lanes or entering a major thoroughfare, make a visual check for motorcycles, in addition to using your mirrors. Turn your head and check beside your vehicle to see if any vehicle, such as a motorcycle, is in your blind spot and to be sure that there is enough room for your vehicle in the next lane.	CDH: p. 54
		09.I.10(3)	When preparing to make a turn, make sure you check for motorcyclists and know their speed before turning. Do not turn in front of an approaching motorcycle unless you are absolutely sure that you will not violate the cyclist's right-of-way.	CDH: p. 54

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Section	Issue	Learning Objective	References
		09.I.10(4) Motorcycle signal lights don't always turn off by themselves. Don't turn just because an approaching motorcycle has a turn signal on. The rider may plan to turn just beyond you. Wait until the motorcyclist actually starts to turn before you continue.	
09.I.11	Motorcyclists, driver responsibilities, following distance	09.I.11(1) Road conditions which are minor annoyances to drivers can pose major hazards to motorcyclists.	CDH: p. 54
		09.I.11(2) Potholes, gravel, wet or slippery surfaces, pavement seams, railroad crossings, and grooved pavement can cause motorcyclists to change speed or direction suddenly.	CDH: p. 54
		09.I.11(3) Motorcycles fall more often on wet or icy roads, on metal surfaces such as bridge gratings and railroad tracks, and on gravel.	
		09.I.11(4) Although they are usually more maneuverable, it is difficult for a driver of a motorcycle to quickly change the path of the motorcycle when confronted with an emergency situation.	
		09.I.11(5) If you are aware of the effect of these conditions on motorcyclists and drive with care and attention, you can help reduce motorcycle accidents, injuries and fatalities.	CDH: p. 54
		09.I.11(6) Allow a four-second or more following distance when you are driving behind a motorcyclist. Four seconds will allow you time to avoid hitting a motorcyclist if he or she should fall.	CDH: p. 36, 54

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Section		Issue		Learning Objective	References
	09.I.12	Motorcyclists, driver responsibilities, darkness	09.I.12(1)	Motorcycles are harder to see at night because they only have one taillight and usually only have one headlight.	CDH: p. 41
			09.I.12(2)	Most motorcycles are operated with the headlight(s) on, even during daylight hours, to increase their visibility.	CDH: p. 54
			09.I.12(3)	Drive as far to the right as possible if a vehicle with one light comes toward you. It could be a bicycle or motorcycle, but it could also be a vehicle with a burnt-out headlight.	CDH: p. 41
09.J	Sharing the road with trains	09.J.01	Trains, introduction	09.J.01(1)	When automobiles and trains meet unexpectedly, the result can be catastrophic. Automobile drivers must understand how to identify railroad crossings and react to approaching trains. They should understand the tremendous risk they put themselves in when they try to beat a train to a crossing or drive around protective crossing gates. Drivers who fail to understand this risk contribute to the following statistics.
		09.J.02	Trains, accident statistics	09.J.02(1)	In any given year, over 400 people die and an additional 1,300 or more are seriously injured in highway-rail grade crossing collisions.
			09.J.02(2)	Over 1,000 people are injured or killed while trespassing on railroad rights-of-way and property each year.	
			09.J.02(3)	A train strikes a pedestrian or vehicle about once every two hours. The impact of a train with a vehicle has the same ratio as a vehicle running over an aluminum can.	
			09.J.02(4)	Nearly 50% of collisions at public grade crossings occur where active warning devices (gates, lights, bells) exist.	

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Section	Issue	Learning Objective	References
09.J.03	Trains, characteristics of, stopping distance	09.J.02(5) Train and pedestrian or motor vehicle crashes are very severe. A motorist is 40 times as likely to die in a collision with a train as in all other types of motor vehicle accidents.	
		09.J.02(6) There are approximately 260,000 public, private, and pedestrian at-grade crossings in the United States.	
		09.J.02(7) More people die in highway-rail collisions each year than in commercial airline crashes in an average year.	
		09.J.02(8) The majority of vehicle-train crashes occur when the train is traveling less than 30 miles per hour.	
		09.J.03(1) Trains cannot stop quickly. The stopping distance for a freight train of approximately 6,000 tons, traveling at 55 mph, is 5,280 feet — one mile. At that distance, the train crew cannot see you on the tracks.	
		09.J.03(2) An average freight train traveling at 30 mph, or an eight-car passenger traveling at 60 mph, require 2/3 of a mile (3,500 feet) to stop.	
		09.J.03(3) An eight-car passenger train traveling at 79 mph requires 1 and 1/8 miles (6000 feet) to stop.	
		09.J.03(4) Because a train cannot swerve from the rails and requires a much longer stopping distance than a highway vehicle, motorists must always yield to trains.	CVC: 22450-22452 CDH: p. 22

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Section	Issue	Learning Objective	References
		09.J.03(5) Don't misjudge a train's speed and distance. Because of the large size of trains and the viewing angle at which you see them, they appear to move much slower than you think. If you have any doubts, stop and wait for the train to pass.	
09.J.04	Trains, railroad crossings, approach	09.J.04(1) The most common place for vehicles and railroad trains to meet is at railroad-highway crossings. Railroad-highway crossings are a special type of intersection. Like other intersections, they may be grade-separated, meaning that you must drive over a raised portion of the roadway to cross railroad tracks.	
		09.J.04(2) Approach railroad crossings with the caution you would use when approaching any intersection. Be prepared to yield to the train.	
		09.J.04(3) Signs warn you that you are approaching a railroad crossing. A circular yellow sign containing a large "X" means you are approaching a RR crossing. When you see this sign you should look and listen for trains in both directions. Be ready to stop, if necessary.	CDH: p. 20 CVC: 21362
		09.J.04(4) You should expect a train on any track at any time. Freight trains do not travel on a regular schedule, and passenger train schedules change several times a year. Be cautious at a grade crossing at any time of the day or night.	CDH: p. 22
		09.J.04(5) Never race a train to a crossing. Even if you tie, you still lose.	

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Section	Issue	Learning Objective	References
	09.J.04(6)	Watch for vehicles that must stop before crossing railroad tracks. Be prepared to stop when you are following buses, school buses, and large trucks carrying hazardous loads, whether or not there is an approaching train at the crossing.	CDH: p. 22
	09.J.04(7)	If during the last 100 feet approaching the crossing, you cannot see the track for at least 400 feet in both directions, you may not cross the tracks at a speed faster than 15 MPH. You may go faster than 15 MPH if the crossing is controlled by gates, a warning signal, or a flagperson.	CVC: 22349 CDH: p. 22
	09.J.04(8)	It is very important to be careful near railroad crossings at night. In the darkness, it is particularly difficult to judge speed and distance of approaching trains. If you have any doubts, it is always better err on the side of caution and wait for the train to pass.	
	09.J.04(9)	It is illegal to pass another vehicle by driving in lanes of oncoming traffic on or within 100 feet of a railroad crossing.	CVC: 21752
	09.J.04(10)	You may not park within 7.5 feet of a railroad track.	CDH: p. 31 CVC: 22521
	09.J.04(11)	A court may suspend your license for up to 6 months for failing to stop at a railroad crossing when you are required to do so.	CVC: 13201
	09.J.04(12)	Railroad crossings in some jurisdictions are equipped with automated (photographic) enforcement systems similar to the type used to catch red-light runners. These systems can be legally used to give tickets to motorists who fail to stop for trains as long as there are signs warning motorists on each side of the crossing.	CVC: 21362.5

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Section	Issue	Learning Objective	References
09.J.05	Trains, railroad crossings, controls at	09.J.05(1) Railroad crossings are equipped with signs. They also may have pavement markings and signals and controls such as bells, lights, and gates.	
		09.J.05(2) You should stop at least 15 feet from railroad tracks when: (a) a person or signal warns you that a train is coming, (b) you see a train coming, or (c) you hear the horn or bell of a train close by.	CDH: p. 22 CVC: 22451
		09.J.05(3) Railroad crossbuck signs are present at almost all public railroad crossings. Treat them the same as a yield sign. You should slow down and stop if a train approaches the crossing. You may continue once the crossing is clear. If there is more than one track, a sign below the crossbuck indicates the number of tracks.	CVC: 22451
		09.J.05(4) You may also see pavement markings, consisting of a large white X, the letters RR and a stop line, painted white on the pavement in front of a railroad crossing. Always stay behind the painted limit line while waiting for a passing train.	CVC: 22450
		09.J.05(5) At railroad crossings that do not have limit lines, you must stop at the entrance to the crossing.	CVC: 22450

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Section	Issue	Learning Objective	References
	09.J.05(6)	Many grade crossings have flashing red light signals combined with crossbuck signs. Some also have bells which ring to warn of approaching trains. You must treat these devices the same way you would a red traffic light. Always stop when the lights begin to flash and/or the bell rings; this means a train is coming. If there is more than one track, make sure all tracks are clear before crossing. Do not continue through the railroad crossing until it is clear and the lights stop flashing.	CVC: 22451
	09.J.05(7)	Remember that flashing red lights at a railroad crossing <i>always</i> mean to stop completely and immediately at least 15 feet before the tracks.	CDH: p. 22 CVC: 22451
	09.J.05(8)	Gated crossings are a further refinement of flashing light signals. They mean the same as ordinary flashing red light signals and are more likely to be placed on busy roadways. Stop when the lights begin to flash and before the gate begins to lower across your road lane. Do not attempt to cross until the gates are raised and the lights have stopped flashing. Do not attempt to drive around the gates. Do not stop directly on a gated crossing where there is the risk of getting trapped on it by lowered gates.	CVC: 22451
	09.J.05(9)	Do not drive around or under closed railroad gates; it's illegal and deadly. Wait for the gates to rise and the red lights to stop flashing before proceeding. Cross only when it is safe and you can see clearly in both directions.	CDH: p. 22

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Section	Issue		Learning Objective	References
09.J.06	Trains, railroad crossings, stopping on	09.J.06(1)	Never stop on a railroad track. Usually by the time a train sees your stopped vehicle, it is too late for it to stop. You should also not block motorists trying to move off of railroad crossings.	CDH: p. 22 CVC: 22526
		09.J.06(2)	If your vehicle stalls on a railroad crossing, get everyone out and off the tracks immediately. If a train is coming, run at an angle away from the tracks toward the direction from which the train is approaching. If no train is in sight, post lookouts and try to start the vehicle from outside or push it off the tracks.	
09.J.07	Trains, railroad crossings, crossing in traffic	09.J.07(1)	Never drive onto a railroad crossing until you are sure you can clear the tracks. When traffic is heavy, wait off the tracks until you are sure you can drive over them without stopping. Never start across railroad tracks if there isn't room for your vehicle to get off on the other side. Once you have started across the tracks, keep going, especially if you see a train approaching.	CDH: p. 22
09.J.08	Trains, railroad crossings, proceeding after a stop at	09.J.08(1)	Don't begin crossing tracks after you have stopped for a train until you can see clearly in both directions, because there may be a second train coming from either direction. You should not assume that because one train has passed that there are no others approaching.	CDH: p. 22
		09.J.08(2)	Watch for a second train when crossing multiple tracks. When you are at a multiple-track crossing and the last car of the train passes the crossing, do not proceed until you are sure that no other train is coming on another track, especially from the opposite direction. A good habit is to count five seconds before proceeding across the tracks.	

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Section	Issue	Learning Objective	References
09.J.09	Trains, other vehicles and pedestrians	09.J.09(1) Motorcyclists and bicyclists should approach all railroad crossings slowly and then cross the tracks at as nearly a 90 degree angle as possible. Riders should also follow all other safety guidelines listed for automobiles.	CVC: 22452
		09.J.09(2) School Buses and buses carrying passengers for hire must stop at all railroad crossings. Vehicles carrying hazardous materials must also stop at all railroad crossings. The driver must check both directions for approaching trains and then proceed only when it is clearly safe to do so. Be prepared to stop when following one of these vehicles and a railroad crossing is ahead.	
		09.J.09(3) Pedestrians should only cross railroad tracks at designated crossings. They must also obey flashing lights and signals, yielding the right-of-way whenever a train is approaching. Pedestrians should stay off bridges and out of tunnels used for trains.	
		09.J.09(4) When approaching a railroad crossing, pedestrians should be sure that they are able to hear approaching trains. They should not wear headphones or earplugs when walking near a crossing.	
		09.J.09(5) Don't walk, run, cycle or ride ATVs on railroad tracks or railroad right-of-ways. Doing so is trespassing and is dangerous.	
09.K Sharing the road with light trolleys and light rail	09.K.01 Trolleys and light rail, introduction	09.K.01(1) Light rail vehicles, or trolleys, have the same rights and responsibilities on public roadways as other vehicles.	CDH: p. 52

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Section	Issue	Learning Objective	References
		09.K.01(2) Although everyone must follow the same traffic laws, light rail vehicles, because of their size, require exceptional handling ability.	CDH: p. 52
		09.K.01(3) To safely share the road with trolleys and light rail vehicles, you should be aware of where they operate and what their limitations are.	CDH: p. 52
		09.K.01(4) Remember that light rail vehicles differ from trains in many ways. In particular, they are very quiet and move more quickly than do freight trains.	CDH: p. 52
09.K.02	Trolleys and light rail, traffic lights	09.K.02(1) Some traffic signals are used to control traffic for trolleys and light rail trains only. The lights on these signals are marked with a "T" and are used to control trolley and light rails train traffic only.	
		09.K.02(2) Light rail vehicles can interrupt traffic signals, so do not proceed forward until the signal light indicates you may.	CDH: p. 52
09.K.03	Trolleys and light rail, crossings	09.K.03(1) The same rules apply to trolley and light rail crossings that apply to train crossings. You should always yield the right-of-way to these vehicles when they cross the roadway.	CDH: p. 52
		09.K.03(2) Do not cross trolley or light rail tracks until you can see clearly in both directions and you are sure that no other trolley, light rail vehicle, or train is approaching.	CDH: p. 52
		09.K.03(3) Do not go around or under a closed trolley or light rail crossing gate.	CDH: p. 52

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Section	Issue	Learning Objective	References
09.K.04	Trolleys and light rail, safety zones	09.K.04(1) A safety zone is a space set aside for pedestrians boarding, entering, and waiting for trolleys and light rail vehicles. They are indicated by marked by raised buttons or markers on the roadway near where these vehicles stop to pick up or let off passengers. You will most often see safety zones in areas where there are street cars or trolleys using the same streets as vehicle traffic, such as in San Francisco.	CDH: p. 52
		09.K.04(2) Do not drive through or otherwise enter a safety zone for any reason.	CDH: p. 52
		09.K.04(3) When people are boarding or leaving a streetcar where there is no safety zone, stop behind the nearest door or vehicle platform of the trolley or light rail and wait until the people have reached a safe place.	CDH: p. 52
		09.K.04(4) When a bus or streetcar is stopped at a safety zone or at an intersection where traffic is controlled by a police officer or traffic signal, you may pass as long as it is safe to do so and at no faster than 10 MPH.	CDH: p. 52 CVC: 21756
		09.K.04(5) You may not park in a safety zone or between a safety zone and the curb. Do not park on trolley or light rail tracks.	CDH: p. 31
09.K.05	Trolleys and light rail, driver responsibilities	09.K.05(1) Do not overtake and pass on the left of a trolley, streetcar, or light rail vehicle, whether it is moving or standing, except when you are on a one-way street, when the tracks are so close to the right side of the road that you cannot pass on the right, or when a traffic officer directs you to pass on the left.	CDH: p. 52

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Section	Issue	Learning Objective	References
09.L Sharing the road through carpooling		09.K.05(2) Look for approaching trolleys and light rail vehicles before you turn across the tracks. Complete your turn only if a signal (if installed) indicates you may proceed.	CDH: p. 52
		09.K.05(3) Never turn in front of an approaching trolley or light rail vehicle. Let them pass before making your turn.	CDH: p. 52
		09.K.05(4) Trolleys and light rail vehicles are difficult to handle and have significant blind spots. Be aware that buildings, trees, and other objects cause blind spots for the operator.	CDH: p. 52
		09.K.05(5) Maintain a safe distance from the trolley or light rail vehicle if it shares a street with vehicular traffic. In many cases, you may drive in the same lane as a trolley or light rail vehicle. Motorcyclists and bicyclists should be very careful to not get their wheels caught in the tracks when doing so.	CDH: p. 52
	09.L.01 Carpooling, introduction	09.L.01(1) Carpooling and bus riding are useful ways to save fuel and reduce the number of vehicles using highways in heavy commute traffic.	
		09.L.01(2) The benefits of carpooling include: (a) reduced wear and tear on your vehicle, (b) reduced costs for car maintenance, gas, and possibly insurance rates, (c) it provides a customized transportation service, (d) reduced stress, (e) reduced need for parking, (f) increased free time for riders, (g) if a carpool lane is available, trips may take less time, and (h) reduced pollution due to auto emissions.	
		09.L.01(3) Car ownership is not required to carpool. You can carpool with other people who are looking for passengers to share commute expenses.	

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Section	Issue	Learning Objective	References
09.L.02	Carpooling, carpool lanes	09.L.01(4) You should check your insurance coverage if you decide to carpool. Some policies offer rate reductions for ridesharing.	CDH: p. 25
		09.L.02(1) A carpool lane is a special freeway lane only for buses and/or carpools. You may use a carpool lane or onramp if your vehicle carries the minimum number of people required for the carpool lane or you drive a low-emission vehicle displaying a special DMV-issued decal. Signs at the on-ramp or along the freeway tell you the number of people needed to use the lane and the days and hours that the requirement applies.	
		09.L.02(2) The pavement of carpool lanes is marked with white diamond symbols and the words "CARPOOL LANE."	
		09.L.02(3) Some freeways may have special lanes for buses only, or for buses and carpools only. This lane is also marked by the diamond symbol.	
		09.L.02(4) One or more sets of parallel solid yellow lines are used to separate carpool lanes from normal traffic lanes. Do not cross over these lines to enter or exit the carpool lane. Wait until the lines are broken or for some other designated place to enter or exit the lane.	
		09.L.02(5) Unless otherwise posted, motorcyclists may use designated carpool lanes.	
		09.L.02(6) Carpool lanes cover 925 lane miles of the California state highway system and plans are underway to double this system over the next 20 years.	

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	09.L.03 Carpooling, tips	09.L.03(1) For successful carpooling, you should: (a) decide who will drive and when, (b) give everyone a list with each carpooler's phone number, (c) choose a convenient pick up location (i.e., pick up each carpooler at home, meet in a central location such as a Park and Ride lot, or maybe a combination of these), (d) set up a schedule and stick to it— make sure everyone knows the schedule and is notified of changes and how long you will wait for tardy riders, (e) establish a fare— if you share the driving equally, you don't need to exchange money, but if one person drives, you can simply agree on a mutually acceptable fare, and (f) establish guidelines on smoking, eating, drinking, playing the radio or tape player, and seating arrangements.	
09.M Sharing the road when lane usage changes	09.M.01 Lane usage changes, general	09.M.01(1) In high-density traffic areas, you may sometimes see an entire street, or a few traffic lanes on a street, marked with cones. The cones indicate that a lane or street is being used differently.	
		09.M.01(2) For example, to help relieve congestion at a concert, sports, or other cultural event, entire streets or a few lanes will be used for traffic going in the opposite direction from what is "normal" until the traffic congestion is cleared.	